CLAIM AMENDMENTS

Claims 1-28 (Canceled).

29. (New) A method for using a log associated with a first database to update a second database, the method comprising the computer-implemented steps of:
based on said log that is associated with said first database, identifying first data;
generating second data based on said first data; and
sending said second data to said second database.

30. (New) The method of Claim 29, further comprising the computer-implemented step of:
monitoring said log that is associated with said first database;
identifying a change to said log; and
in response to identifying said change to said log, identifying said first data.

31. (New) The method of Claim 29, further comprising the computer-implemented steps of:
based on said first data, determining that one or more selection criteria are satisfied prior to performing said steps of generating and sending.

32. (New) The method of Claim 31, further comprising the computer-implemented step of:
modifying said one or more selection criteria based on a change to third data that includes at least one of (a) a rule set and (b) metadata.

33. (New) The method of Claim 32, wherein the step of modifying said one or more selection criteria includes the computer-implemented step of:
in response to receiving notification of a change to said third data, modifying said one or more selection criteria based on said change to said third data.

34. (New) The method of Claim 33, wherein said change is performed by a database builder in response to input from a user.

35. (New) The method of Claim 29, wherein the step of generating said second data based on said first data includes the computer-implemented step of:

generating said second data based on both said first data and third data.

36. (New) The method of Claim 35, wherein said third data is a rule set that includes one or more criteria for identifying said first data based on said log.

37. (New) The method of Claim 35, wherein said third data is metadata that includes at least one particular type of data selected from the group consisting of first database architecture data, second database architecture data, network topology data, job control data, scheduling data, and source code data.

38. (New) The method of Claim 29, wherein:

said second database is a particular database selected from the group consisting of a data warehouse and a datamart;

said first database includes production data; and

said second database includes informational data that is derived based on said production data.

39. (New) The method of Claim 29, further comprising the computer-implemented steps of:

after generating said second data, storing said second data in a cache;

prior to sending said second data, retrieving said second data from said cache.

40. (New) The method of Claim 29, further comprising the computer-implemented steps of:

prior to identifying said first data,

storing in a cache one or more log entries from said log, and

retrieving from said cache at least one log entry of said one or more log entries; and

wherein the step of identifying said first data further comprises the computer-implemented step of:

based on said at least one log entry, identifying said first data.

41. (New) The method of Claim 29, wherein:

said first database is a production database;

said second database is an informational database;

said first data is a log entry in said log;

said log entry is associated with a change to a first record stored in said first database;

said log entry includes undo information;

said first record includes production data;

said second data is a second record that is to be stored in said second database;

said second record includes at least one of a portion of said production data and informational data that is based on said production data;

said steps of generating and sending are performed when one or more selection criteria are satisfied based on said undo information; and

said one or more selection criteria are based on a rule set comprising dynamically redefinable business logic.

42. (New) The method of Claim 29, wherein:

the step of identifying first data further comprises the computer-implemented steps of:

opening said log that is associated with said first database; and

based on a rule set that specifies said one or more data selection criteria, dynamically analyzing one or more log entries in said log to identify said first data; and

a log monitor performs said steps of dynamically analyzing, generating, and sending on a substantially continuous bases, thereby indirectly retrieving information from said first database for use in updating said second database to maintain large-grained concurrency between said first database and said second database.

43. (New) A computer-readable medium carrying one or more sequences of instructions for using a log associated with a first database to update a second database, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform the steps of:
based on said log that is associated with said first database, identifying first data;
generating second data based on said first data; and
sending said second data to said second database.

44. (New) The computer-readable medium of Claim 43, further comprising instructions which, when executed by the one or more processors, cause the one or more processors to carry out the steps of:
monitoring said log that is associated with said first database;
identifying a change to said log; and
in response to identifying said change to said log, identifying said first data.

45. (New) The computer-readable medium of Claim 43, further comprising instructions which, when executed by the one or more processors, cause the one or more processors to carry out the step of:
based on said first data, determining that one or more selection criteria are satisfied prior to performing said steps of generating and sending.

46. (New) The computer-readable medium of Claim 45, further comprising instructions which, when executed by the one or more processors, cause the one or more processors to carry out the step of:
modifying said one or more selection criteria based on a change to third data that includes at least one of (a) a rule set and (b) metadata.

47. (New) The computer-readable medium of Claim 46, wherein the instructions for modifying said one or more selection criteria further comprise instructions which, when executed by the one or more processors, cause the one or more processors to carry out the step of:
in response to receiving notification of a change to said third data, modifying said one or more selection criteria based on said change to said third data.

48. (New) The computer-readable medium of Claim 47, wherein said change is performed by a database builder in response to input from a user.

49. (New) The computer-readable medium of Claim 43, wherein the instructions for generating said second data based on said first data further comprise instructions which, when executed by the one or more processors, cause the one or more processors to carry out the step of:
generating said second data based on both said first data and third data.

50. (New) The computer-readable medium of Claim 49, wherein said third data is a rule set that includes one or more criteria for identifying said first data based on said log.

51. (New) The computer-readable medium of Claim 49, wherein said third data is metadata that includes at least one particular type of data selected from the group consisting of first database architecture data, second database architecture data, network topology data, job control data, scheduling data, and source code data.

52. (New) The computer-readable medium of Claim 43, wherein:
said second database is a particular database selected from the group consisting of a data warehouse and a datamart;
said first database includes production data; and
said second database includes informational data that is derived based on said production data.

53. (New) The computer-readable medium of Claim 43, further comprising instructions which, when executed by the one or more processors, cause the one or more processors to carry out the steps of:
after generating said second data, storing said second data in a cache;
prior to sending said second data, retrieving said second data from said cache.

54. (New) The computer-readable medium of Claim 43, further comprising instructions which, when executed by the one or more processors, cause the one or more processors to carry out the steps of::
prior to identifying said first data,
storing in a cache one or more log entries from said log, and
retrieving from said cache at least one log entry of said one or more log entries; and
wherein the instructions for identifying said first data further comprise instructions which, when executed by the one or more processors, cause the one or more processors to carry out the step of:
based on said at least one log entry, identifying said first data.

55. (New) The computer-readable medium of Claim 43, wherein:
said first database is a production database;
said second database is an informational database;
said first data is a log entry in said log;
said log entry is associated with a change to a first record stored in said first database;
said log entry includes undo information;
said first record includes production data;
said second data is a second record that is to be stored in said second database;
said second record includes at least one of a portion of said production data and informational data that is based on said production data;

said instructions for generating and sending are executed by the one or more processors when one or more selection criteria are satisfied based on said undo information; and

said one or more selection criteria are based on a rule set comprising dynamically redefinable business logic.

56. (New) The computer-readable medium of Claim 43, wherein:

the instructions for identifying first data further comprise instructions which, when executed by the one or more processors, cause the one or more processors to carry out the steps of:

opening said log that is associated with said first database; and

based on a rule set that specifies said one or more data selection criteria, dynamically analyzing one or more log entries in said log to identify said first data; and

a log monitor directs the one or more processors to execute the instructions for dynamically analyzing, generating, and sending on a substantially continuous bases, thereby indirectly retrieving information from said first database for use in updating said second database to maintain large-grained concurrency between said first database and said second database.